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(THIS COVER PAGE + 9 PAGES)**

Today's Date: June 18, 2005

To: Examiner S. Crane, Art Unit: 2811

FAX: (703) 872-9306

**From: Frederick E. Cooperrider #36,769
McGinn&Gibb, PLLC
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In re Application of Newns, et al

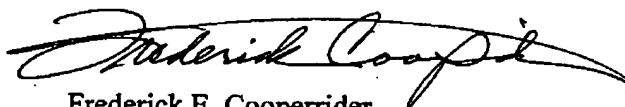
Serial No.: 10/648,346

**For: A GRADIOMETER-BASED FLUX QUBIT FOR QUANTUM COMPUTING AND
METHOD THEREFOR**

Contents: 1. Amendment and Response to Restriction Requirement (9 pages)

CERTIFICATION OF TRANSMISSION

I certify that I transmitted via facsimile to (703) 872-9306 the attached Amendment and Response to Restriction Requirement to Examiner S. Crane on June 18, 2005.



Frederick E. Cooperrider
Reg. No. 36,769

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Newns et al

Serial No.: 10/648,346

Group Art Unit: 2811

Filed: August 27, 2003

Examiner: Crane, S.

**For: A GRADIOMETER-BASED FLUX QUBIT FOR QUANTUM COMPUTING AND
METHOD THEREFOR**

**Commissioner for Patents
Alexandria, VA 22313-1450**

AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT

Sir:

In response to the Election/Restrictions Requirement in the Office Action dated May 19, 2005, please amend the above-identified Application as follows and consider the response in the Remarks section herein: